

Mathematics & NSA: A Long Term Partnership



2004 Summer Institute for Elementary School Teachers (SIEST)

Grade 2-5 teachers are invited to apply for one of the 2004 National Security Agency SIESTs:

- Held **June 23-29, 2004, Hosted by Prince George's County Public Schools**
- Held **July 26 - 30, 2004, Hosted by Baltimore County Public Schools**

Successful applicants:

- **Learn and apply** the latest techniques for mathematics classrooms
- Receive a **stipend** of **\$500**
- Receive **free** manipulatives and other valuable **educational supplies**
- **Co-author** learning units for publication and distribution nation-wide
- May receive **in-service** credits
- Receive a **continental breakfast and lunch** each day

Participants can expect to work hard and have fun in a **professional, energetic, fast-paced environment**. The enclosed application must be postmarked **no later than 9 April, 2004**.

WHAT IS THE SUMMER INSTITUTE FOR ELEMENTARY SCHOOL TEACHERS?

In partnership with local county public schools, the National Security Agency's Mathematics Education Partnership Program sponsors Summer Institutes for Elementary School Teachers (SIEST). These Institutes provide teachers an **intensive five-day opportunity** to learn and apply the **latest techniques for mathematics classrooms** using a wide variety of manipulatives.

During the first half of the week-long Institute you will **attend one of four strands** on subjects such as Numbers and Operations; Geometry and Spatial Sense; Patterns, Functions, and Algebra; and Data Analysis, Statistics and Probability. In addition, you will attend **special lectures** by NSA mathematicians on topics such as cryptanalysis, probability, and statistics.

During the second half of the Institute, participants will be part of a two-person team that will **develop a learning unit** designed to incorporate the Maryland State Core Learning Goals and the NCTM Standards. NSA maintains ownership of the learning units and publishes and distributes them free of charge upon request from educational institutions or teachers. They may also be available via the Internet.

Participants are required to attend **two follow-up sessions**, one in the fall and one in the spring (tentatively scheduled for 5 November 2004 and 11 March 2005). During these sessions, participants will make final changes to their learning units, attend new strand sessions, and present their learning units to the Institute.

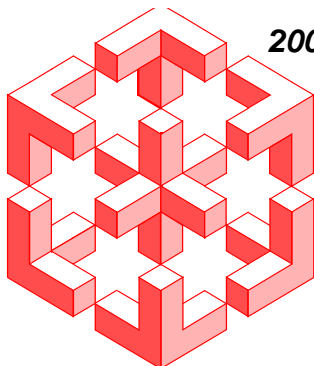
Participants receive a stipend of **\$500.00** if they complete the entire 40-hour program during the summer and complete a learning unit suitable for review by representatives of the Maryland Council of Teachers of Mathematics. After attending both follow-up sessions participants may receive in-service credits depending on the requirements of their state (MSDE has approved 3 in-service credits).

HOW CAN YOU BE A PART OF THE 2004 SIEST?

Second through fifth grade elementary school teachers are invited to apply. We are looking for both experienced and novice teachers; for teachers who love to teach math and those who want to conquer their fears of teaching math; for teachers from public and private nonprofit schools. Most importantly, we are looking for teachers who are excited about teaching, who work well with others, and who like to participate!

THE NEXT STEP

The **enclosed application** must be completed, signed by both you and your principal, and returned **no later than 9 April 2004**. Neatness and thoroughness count! Incomplete applications will not be considered. You also must attach one of your lesson plans or units as an example of your writing and planning skills.



2004 Summer Institute for Elementary School Teachers

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Application

2004 Summer Institute for Elementary School Teachers

**PLEASE TYPE OR PRINT CLEARLY -- Neatness and the ability to follow instructions count!
Incomplete applications will not be considered.**

1. **Name** _____
Title (Mr., Ms., Mrs., Miss, Dr.) last first middle initial

2. **School where employed**

_____ name of school street address
Public _____
Private _____ city/state/zip code
_____ county where school is located (area code) telephone number e-mail address

3. **Residence**

_____ (area code) telephone number street address
_____ city/state/zip code

4. **Male** _____ **Female** _____ **Social Security Number** _____

5. **US Citizen?** Yes _____ No _____ **Date of Birth** _____

6. **Ethnicity** African American _____ White _____ Hispanic _____ Native American _____
Asian/Pacific Islander _____ Other (Specify) _____

7. **Number of years experience teaching elementary school** _____

8. **Highest degree earned** _____ **area of specialization** _____

9. **Grade taught 2003-2004 school year** _____

10. **SIEST Session Preferred:**

Prince George's County - June 23-29, 2004 _____
Baltimore County - July 26-30, 2004 _____

Detach here

11. **Have you ever attended a SIEST?**_____ If yes, when?_____

Which strand did you attend? _____

12. **Continuing Education** On a separate page indicate:

<u>Name of program</u>	<u>Host organization</u>	<u>Length</u>	<u>Date</u>	<u>Your role</u>
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13. **Reasons for Participating** On a separate sheet of paper, state your plans and goals for enhancing elementary school mathematics or science education and your reasons for participating in this Institute.

14. **You also must attach one of your lesson plans or units as an example of your writing and planning skills.**

15. **Support of Administration** Your school principal must sign the following:

I recommend this applicant for participation in the Institute. After completion of the Institute, I will support the applicant's efforts to convey the results of the Institute to other teachers at my school *and I will support the applicant's attendance at the two follow-up sessions*. I understand that in order to get in-service credits, the applicant must attend these follow-up sessions and that NSA will provide no reimbursements for substitutes. (Teachers from states outside of the mid-Atlantic region do not have to attend the follow-up sessions if they are not interested in receiving MSDE credit). I also consent to the inclusion of my school's name and phone number on this applicant's learning units, which will be published and distributed by NSA, both in paper copy and on the Internet.

Principal's signature_____

Principal's name (printed) _____

16. **Applicant Consent Statement.** You must sign the application in order to be considered for the Institute.

I consent to NSA's ownership, publication, and distribution, both in paper copy and on the Internet of the learning units I write, to include my name, school name, and school phone number. I also consent to NSA's producing and using photographic or videotape images of me for purposes of including such images in informational packages regarding these institutes.

PRIVACY ACT STATEMENT: Auth: 10 U.S.C. § 2193; SSN: EO 9397. PURPOSE: administer cooperative agreements with area schools. ROUTINE USES: disclosure to (1) agency officials administering the program, (2) school cooperative agreement administrators and (3) teacher participants (contact information only). Disclosure of the information, including Social Security Numbers, is voluntary. Failure to furnish the requested information may result in non-selection, non-participation, or non-payment in the program. Your signature indicates you have read and understand the above.

Applicant's signature_____

Application must be postmarked by **April 9, 2004**. Send to:

**National Security Agency
9800 Savage Rd. Suite 6637
Fort George G. Meade, Maryland 20755-6637
ATTN: EL/MEPP -- SIEST, Room 2B6030**

Application can be faxed to 443-479-1193 Attn: Chuck Brown
MEPP can be contacted via e-mail at the address cjbrown@nsa.gov